

Johnson, James

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From: Larson, Kevin
Sent: Tuesday, March 25, 2014 1:44 PM
To: Nold, Eric; Johnson, James; Mahler, Tom
Subject: Air monitoring Recon update
Attachments: Robertson Fire 2.JPG; Robertson Fire 3.JPG; Spanish Village Park 1 (1).JPG; Spanish Village Park 1 (2).JPG; Spanish Village Park 1 (3).JPG

I am still trying to make some additional contacts but here is a preliminary update:

Met with Adam Vrabec at the MDNR Monitoring trailer.

MDNR AreaRaes are monitoring for SO₂, H₂S, CO, VOC, LEL, O₂ and Gamma. Their alarms levels are as follows:

CO – 9ppm	
SO ₂ – Day: 0.10 ppm	Night: 0.40 ppm
H ₂ S – Day: 0.30 ppm	Night: 1.00 ppm
VOC – Day: 5.00 ppm	Night: 10.00 ppm
LEL – Day: 5%	Night: 10%
Gamma – 100 uR/Hour	
O ₂ – 19.50%	

The AreaRaes are polled every 60 seconds. And they run one Summa sample per week. If there are hits they field screen with handheld instruments such as a UltraRae which reads in ppb.

Data downloads are done at 1300 hours on Mondays and Thursdays. Data is sent to MDNR in Jefferson City who then posts the data.

Alarms are sent out via text and e-mail to MDNR personnel on site.

They are not having to use repeaters for the AreaRaes.

New air monitoring locations.

Residential #1 - I did a walk thorough of the Spanish Village Park, the restroom facility does have electric power but was unable to enter it since it is locked up for winter. The roof of the restroom is sloped and may present an issue with our equipment being placed on the roof. See the attached pictures. I left a phone message for the Superintendent of Bridgeton Parks to discuss access.

Background #1 - I met with Matt Lavanchy at the Pattonville Fire Department, 13900 St. Charles Rock Road. He said there would be no problem placing our monitors on the roof of the building and they would supply electrical power.

Residential #3 - I met with Asst. Chief Maynard Howell about the Robertson Fire Department building at 3820 Taussig Road. The grass area outside of the building is a depression that is not suitable for an office trailer, see attached photos. But Chief Howell did say that the abandoned concrete road behind the fire station is theirs and we are more than welcome to use it for an office trailer as long we do not block the driveways. The Chief requested a proposal be e-mailed to him concerning the air monitoring equipment so it can be presented to the Board of Directors. I will take care of that later today.

Residential #2 – This location is also where MDNR has set up Units 8, 10 and 12. My suggestion is that we move Residential #2 to somewhere to the northwest of the Site. I will recon that area this afternoon.

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